

0075 1908
APR 22 1982

MATERIAL SAFETY DATA SHEET

Required under USDL Safety and Health Regulations for Ship Repairing, Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917) **APR 30 1982**

SECTION I

MANUFACTURER'S NAME Sherwin Incorporated		EMERGENCY TELEPHONE NO. 213/261-0251
ADDRESS (Number, Street, City, State, and ZIP Code) 5007 East Washington Blvd., Los Angeles, CA 90040		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS HM3A Fluorescent Penetrant	
CHEMICAL FAMILY	FORMULA Proprietary	

SECTION II - HAZARDOUS INGREDIENTS

The materials listed in this Data Sheet are classified as non-hazardous in accordance with the definition set forth in 29 CFR Part 1915, 1916, 1917, which states:

"A hazardous material has one or more of the following characteristics:

- (1) has a flashpoint below 140°F, closed cup, or subject to spontaneous heating.
- (2) has a threshold limit value below 500 ppm for gases and vapors, below 500 mg/m³ for fumes, and below 25 mppcf for dusts;
- (3) a single dose oral LD₅₀ below 500 mg/kg;
- (4) is subject to polymerization with the release of large amounts of energy;
- (5) is a strong oxidizing or reducing agent;
- (6) causes first degree burns to skin in short time exposure, or is systemically toxic by skin contact; or
- (7) in the course of normal operations, may produce dusts, gases, fumes, vapors mists, or smokes which have one or more of the above characteristics."

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	IBP Approx	440 ° F	SPECIFIC GRAVITY (H ₂ O=1)	0.867
VAPOR PRESSURE (mm Hg.)		n/a	PERCENT VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)	approx.	7.0	EVAPORATION RATE (ether =1)	less than 1
SOLUBILITY IN WATER		miscible		
APPEARANCE AND ODOR	yellow green liquid, petroleum odor			

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	Over 200°F C.C.	FLAMMABLE LIMITS estimated	Let 1.0	Uet 6.0
EXTINGUISHING MEDIA	Foam, CO-2, Dry Chemical			
SPECIAL FIRE FIGHTING PROCEDURES	Water unsuitable, it spreads the fire.			
UNUSUAL FIRE AND EXPLOSION HAZARDS				

Note: While the information and recommendations set forth herein are believed to be accurate as of the date hereof, Sherwin Incorporated makes no warranty with respect thereto and disclaims all liability from reliance thereon. Customers are encouraged to conduct their own tests. Before using any product read its label.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE None established. (Mist in range 5 mg/cubic meter.)

EFFECTS OF OVEREXPOSURE Irritation of respiratory tract, central nervous system stimulation followed by depression of varying degrees.

EMERGENCY AND FIRST AID PROCEDURES
 Eyes: Wash with plenty of water. See physician.
 Skin: Remove by washing with soap and water. Apply skin creams.
 Remove contaminated clothing and wash before wearing again.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	

INCOMPATIBILITY (Materials to avoid)

HAZARDOUS DECOMPOSITION PRODUCTS
 Incomplete combustion - smoke, soot, CO and CO-2.

HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
 Extinguish all flames. Pick up with absorbent sweeping compound.
 Or, wash away with large quantity of water, observing waste disposal regulations.

WASTE DISPOSAL METHOD
 Treat as oily waste.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) none normally required.

VENTILATION	LOCAL EXHAUST As required if mist is generated.	SPECIAL
	MECHANICAL (General)	OTHER

PROTECTIVE GLOVES neoprene or rubber

EYE PROTECTION If possibility of splashing, wear chemical safety goggles.

OTHER PROTECTIVE EQUIPMENT neoprene or rubber.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
 Store away from heat. Avoid inhalation of high concentrations of vapors or mists. Avoid contact with skin or eyes.

OTHER PRECAUTIONS